

Claims

What is claimed is:

1. A lighting control arrangement comprising:
  - 5     a. a light source (LA) for emitting light to illuminate a local area, said light being modulated to identify the local area;
  - b. a wearable occupancy detector (D) for radiating a signal in response to detection of the modulated light, said  
10     radiated signal identifying the local area;
  - c. a control unit (LC) in communication with the light source, said control unit being capable of controlling a lighting function of said light source in response to  
15     reception of said radiated signal.
2. A lighting control arrangement as in claim 1 where the radiated signal is capable of traveling beyond the local area.
- 20   3. A lighting control arrangement as in claim 1 where the control unit directly receives the radiated signal.
4. A lighting control arrangement as in claim 1 where the signal radiated by the wearable occupancy detector  
25     identifies said detector.
5. A lighting control arrangement as in claim 1 where the signal radiated by the wearable occupancy detector identifies a particular person.

6. A lighting control arrangement comprising:
  - a. a first light source (LA) for emitting light to illuminate a first local area, said light being modulated to uniquely identify said first local area;
  - 5      b. a second light source (LB) for emitting light to illuminate a second local area, said light being modulated to uniquely identify said second local area;
  - c. a wearable occupancy detector (D) for radiating a signal in response to detection in either of the first and  
10      second local areas of the modulated light from the respective light source, said signal identifying the local area in which said detector is located;
  - d. at least one control unit (LC) in communication with the first and second light sources, said at least one control  
15      unit being capable of controlling a lighting function of each of said light sources in response to reception of said radiated signal.
7. A lighting control arrangement as in claim 6 where the at  
20      least one control unit comprises first and second control units, each in communication with a respective one of the first and second light sources.
8. A lighting control arrangement as in claim 6 where the  
25      radiated signal is capable of traveling beyond at least one of the first and second local areas.
9. A lighting control arrangement as in claim 6 where the at  
30      least one control unit directly receives the radiated signal.

10. A lighting control arrangement as in claim 6 where the signal radiated by the wearable occupancy detector identifies said detector.
- 5 11. A lighting control arrangement as in claim 6 where the signal radiated by the wearable occupancy detector identifies a particular person.
12. A lighting control system comprising:
- 10 a. a plurality of light sources (LA, LB) for emitting light to illuminate respective local areas, said light being modulated to identify the local areas;
- b. a wearable occupancy detector (D) for radiating a signal in response to detection of the modulated light, said  
15 radiated signal identifying the local area in which it is located;
- c. at least one control unit (LC) in communication with the light sources and being capable of controlling a lighting function of said light sources;
- 20 d. a lighting system controller (C) in communication with the at least one control unit for controlling operation of the control unit in response to reception of said radiated signal.
- 25 13. A lighting control system as in claim 12 where the lighting system controller directly receives said radiated signal.
14. A lighting control system as in claim 12 where the lighting system controller indirectly receives said radiated signal  
30 via a communication from the at least one control unit.
15. A lighting control system as in claim 12 where the at least one control unit comprises first and second control units, each in communication with a respective one of the light  
35 sources.

16. A lighting control system as in claim 12 where the at least one control unit directly receives the radiated signal.
- 5 17. A lighting control system as in claim 12 where the signal radiated by the wearable occupancy detector identifies said detector.
- 10 18. A lighting control system as in claim 12 where the signal radiated by the wearable occupancy detector identifies a particular person.